(19) Canadian Intellectual Property Office

An Agency of Industry Canada

Office de la Propriété Intellectuelle du Canada

Un organisme d'Industrie Canada (11) CA 2 511 022

(13) A1

(40) 15.07.2004

(43) 15.07.2004

(12)

(21) 2 511 022

(51) Int. Cl. 7:

C11D 3/39, C11D 17/00

(22) 18.12.2003

(85) 17.08.2005

(86) PCT/EP03/014445

(87) WO04/058932

(30)

102 61 161.0 DE 20.12.2002

(72)

ZIMMERMANN, KLAUS (DE). JAKOB, HARALD (DE). MENZEL, FRANK (DE).

(71)

DEGUSSA AG, Bennigsenplatz 1 D-40474, DUESSELDORF , XX (DE).

(74)

MARKS & CLERK

(54) PARTICULES DE PERCARBONATE DE SODIUM A DUREE DE CONSERVATION EN STOCKAGE AMELIOREE

(54) SODIUM PERCARBONATE PARTICLES WITH IMPROVED STORAGE STABILITY

(57)

The invention relates to sodium percarbonate particles with improved storage stability in the presence of builders. The inventive sodium percarbonate particles contain, on the surface thereof, between 0.01 and 1 wt. % of a hydrophobic, fine-particle oxide of the elements silicon, aluminium, or titanium or a mixed oxide of said elements. The inventive particles can be produced by mixing sodium percarbonate particles with between 0.01 and 1 wt. % of the oxide, the sodium hydrophobic, fine-particle percarbonate being preferably mixed, in the dry state, with the fine-particle oxide. The inventive particles have a high storage stability, can be handled and stored without dust formation and without caking of the particles, and can be easily dispersed in water without leaving any residues.



Intellectuelle du Canada Un organisme d'Industrie Canada Intellectual Property Office An agency of

Industry Canada

(21) 2 511 022

(12) DEMANDE DE BREVET CANADIEN CANADIAN PATENT APPLICATION

(13) A1

- (87) Date publication PCT/PCT Publication Date: 2004/07/15
- (85) Entrée phase nationale/National Entry: 2005/06/17
- (86) N° demande PCT/PCT Application No.: EP 2003/014445
- (87) N° publication PCT/PCT Publication No.: 2004/058932
- (30) Priorité/Priority: 2002/12/20 (102 61 161.0) DE

- (51) Cl.Int.7/Int.Cl.7 C11D 3/39, C11D 17/00
- (71) Demandeur/Applicant DEGUSSA AG, DE
- (72) Inventeurs/Inventors: ZIMMERMANN, KLAUS, DE: JAKOB, HARALD, DE; MENZEL, FRANK, DE
- (74) Agent MARKS & CLERK

(54) Title: SODIUM PERCARBONATE PARTICLES WITH IMPROVED STORAGE STABILITY

(57) Abrégé/Abstract:

The invention relates to sodium percarbonate particles with improved storage stability in the presence of builders. The inventive sodium percarbonate particles contain, on the surface thereof, between 0.01 and 1 wt. % of a hydrophobic, fine-particle oxide of the elements silicon, aluminium, or titanium or a mixed oxide of said elements. The inventive particles can be produced by mixing sodium percarbonate particles with between 0.01 and 1 wt. % of the hydrophobic, fine-particle oxide, the sodium percarbonate being preferably mixed, in the dry state, with the fine-particle oxide. The inventive particles have a high storage stability, can be handled and stored without dust formation and without caking of the particles, and can be easily dispersed in water without leaving any residues.





⁽⁵⁴⁾ Titre : PARTICULES DE PERCARBONATE DE SODIUM A DUREE DE CONSERVATION EN STOCKAGE **AMELIOREE**